

I claim:

SUB A1

- 1 1. A method of transmitting information from a source device at a predetermined rate,
2 the method comprising the steps of:
3 a. forming x number of first data blocks wherein each of the first data blocks
4 contains n units of data;
5 b. forming y number of second data blocks wherein each of the second data
6 blocks contains m units of data;
7 c. combining x number of first data blocks and y number of second data blocks
8 into a data stream.

2 2. The method according to claim 1 further comprising transmitting the data stream from
the source device at the predetermined rate.

1 3. The method according to claim 1 further comprising evenly distributing the x number
2 of first data blocks among the y number of second data blocks.

1 4. The method according to claim 1 wherein the data stream is digital video data.

1 5. The method according to claim 1 wherein n, m, x, and y are integer values.

SUBA2
6.

A method of transmitting information from a source device to a receiving device, the method comprising the step of:

- a. forming x number of first frames wherein each of the first frames contains n units of data;
- b. forming y number of second frames wherein each of the second frames contains m units of data;
- c. combining x number of the first frames and y number of the second frames into a stream of frames; and
- d. transmitting the stream of frames from the source device to the receiving device.

7. The method according to claim 6 wherein n, m, x, and y are integer values.

8. The method according to claim 6 further comprising receiving the stream of frames from the network by the receiver at a predetermined frame rate and wherein the data stream conforms to standards of an IEEE 1394-1995 network.

9. The method according to claim 6 further comprising evenly distributing the x number of the first frames among the y number of the second frames.

10. The method according to claim 6 wherein the stream of frames conforms to standards of an IEEE 1394-1995 network.

11. The method according to claim 6 wherein the source device and the receiving device are coupled together within a network.

Sub 11
1 12. The method according to claim 11 wherein the network is an IEEE 1394-1995
2 network.

SUB A3
1 13. A source device for transmitting information at a predetermined frame rate, the source
2 device comprising a controller for generating a data stream containing a plurality of first
3 frames each including x packets of data and a plurality of second frames each including y
4 packets of data, wherein the data stream is transmitted at the predetermined frame rate.

Sub 11
1 14. The source device according to claim 13 wherein x and y are integer values.

1 15. The source device according to claim 13 further comprising an interface coupled to the
2 controller and configured for connecting to a network.

1 16. The source device according to claim 15 wherein the network is a IEEE 1394-1995
2 network.

SUB A4
1 17. A system for transmitting information at a predetermined frame rate, the system
2 comprising:

- 3 a. a source device for generating a data stream containing a plurality of first
4 frames each including x packets of data and a plurality of second frames
5 wherein each including y packets of data; and
6 b. a remote receiver coupled to the source device and configured to receive the
7 data stream at the predetermined frame rate.

Sub 11
1 18. The system according to claim 17 wherein x and y are integer values.

SUB A5
1 19. The system according to claim 17 wherein the controller is a computer system.

Sub
1 20. The system according to claim 17 wherein the remote receiver is a digital video
2 camera.

1 21. The system according to claim 17 wherein the predetermined frame rate is 29.97
2 frames per second.

1 22. The system according to claim 17 wherein the plurality of first frames are 9336
2 frames, x packets represent 267 packets, the plurality of second frames are 664 frames, and y
3 packets represent 266 packets.

1 23. The system according to claim 17 wherein the data stream conforms to standards of an
2 IEEE 1394-1995 network.

1 24. The system according to claim 17 further comprising a network coupled between the
2 source device and the remote receiver and configured to transmit the data stream.

1 25. The system according to claim 24 wherein the network is an IEEE 1394-1995
2 network.

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